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**PATENT**  
069092.0128

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:  
**Bhashyam Ramesh**  
  
Serial No.: 10/038,783  
  
Filing Date: **December 31, 2001**  
  
Title: **"Optimizing an Exclusion Join  
Operation Using A Bitmap Index  
Structure"**

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Group Art Unit: 2122

Examiner:

NCR Docket No.: 10239

Commissioner for Patents  
Box Missing Parts  
Washington, D.C. 20231

CERTIFICATE OF MAILING BY EXPRESS MAIL

I hereby certify that this correspondence is being deposited with the United States Postal Service as Express Mail in an envelope addressed to: Assistant Commissioner for Patents, Box Missing Parts, Washington, D.C. 20231 on March 7, 2002.

*Debra Sprouer*

Signature

Express Mail Label: EV067266257US

**RESPONSE TO NOTICE TO FILE MISSING PARTS OF  
NONPROVISIONAL APPLICATION MAILED FEBRUARY 5, 2002**

Sir:

This replies to the Notice to File Missing Parts of Nonprovisional Application filed under 37 CFR 1.53(b) and mailed February 5, 2002 in connection with the above-identified Application.

Enclosed are the following items:

- ☒ A signed declaration of inventor Bhashyam Ramesh
- ☒ Copy of the Notice to File Missing Parts of Nonprovisional Application;

X Eight (8) substitute formal drawings of the application, pursuant to 37 C.F.R. 1.84(g), with identifying labels on back of each page;

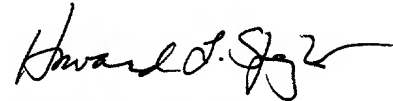
X Request for Corrected Filing Receipt; and

X Postcard for acknowledgment of receipt of documents.

Applicant respectfully states that the attached eight (8) sheets of substitute formal drawings contain the same matter originally filed, and submit that **no new matter has been added** to this patent application. Applicant further states that each of the attached eight (8) sheets of substitute formal drawings are now in compliance with the margin requirements, specifically, top and left margins of at least 2.5 cm (1 inch); right margin of at least 1.5 cm (5/8 inch); and bottom margin of at least 1.0 cm (3/8 inch). Applicant further requests that the Examiner kindly substitute the enclosed eight (8) sheets of substitute formal drawings as replacements for the eight (8) sheets of formal drawings originally submitted with the patent application.

This response is being filed within the two-month shortened statutory response time and is therefor considered timely filed. Applicant is aware that a fee of \$130.00 is required with this filing. The Commissioner is hereby authorized to charge this fee due in association with this filing to the account of NCR Corporation, Deposit Account No. 50-1673.

Respectfully submitted,



Howard L. Speight  
Reg. No. 37,733

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March 7, 2002



## UNITED STATES PATENT AND TRADEMARK OFFICE

COMMISSIONER FOR PATENTS  
UNITED STATES PATENT AND TRADEMARK OFFICE  
WASHINGTON, D.C. 20231  
www.uspto.gov

APPLICATION NUMBER	FILING/RECEIPT DATE	FIRST NAMED APPLICANT	ATTORNEY DOCKET NUMBER
10/038,783	12/31/2001	Ramesh Bhashyam	10239

CONFIRMATION NO. 4098

## FORMALITIES LETTER



\*OC00000007421816\*

John D. Cowart  
Teradata Law IP, WHQ-4W  
NCR Corporation  
1700 S. Patterson Blvd.  
Dayton, OH 45479-0001

RECEIVED

FEB 13 2002

LAW DEPARTMENT

Date Mailed: 02/05/2002

## NOTICE TO FILE MISSING PARTS OF NONPROVISIONAL APPLICATION

FILED UNDER 37 CFR 1.53(b)

## Filing Date Granted

An application number and filing date have been accorded to this application. The item(s) indicated below, however, are missing. Applicant is given **TWO MONTHS** from the date of this Notice within which to file all required items and pay any fees required below to avoid abandonment. Extensions of time may be obtained by filing a petition accompanied by the extension fee under the provisions of 37 CFR 1.136(a).

- The oath or declaration is unsigned.
- To avoid abandonment, a late filing fee or oath or declaration surcharge as set forth in 37 CFR 1.16(l) of \$130 for a non-small entity, must be submitted with the missing items identified in this letter.
- **The balance due by applicant is \$ 130.**

The application is informal since it does not comply with the regulations for the reason(s) indicated below.

The required item(s) identified below must be timely submitted to avoid abandonment:

- Substitute drawings in compliance with 37 CFR 1.84 because:
  - drawing sheets do not have the appropriate margin(s) (see 37 CFR 1.84(g)). Each sheet must include a top margin of at least 2.5 cm. (1 inch), a left side margin of at least 2.5 cm. (1 inch), a right side margin of at least 1.5 cm. ( 5/8 inch), and a bottom margin of at least 1.0 cm. (3/8 inch);

03/14/2002 HMARZ11 00000006 501673 10038783

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A copy of this notice **MUST** be returned with the reply.

Haimanot Teghanu

Express Mail: EV067266257US

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